

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

To:
TARGETT, Kenneth Stanley
 48 Meadowsweet Way
 Horton Heath
 Hampshire SO50 7PD
 UNITED KINGDOM

INVITATION TO PAY ADDITIONAL FEES

(PCT Article 17(3)(a) and Rule 40.1)

EINSCHREIBEN

Applicant's or agent's file reference

A04/101

Date of mailing
 (day/month/year)

12/04/2005

PAYMENT DUE

within 1 month
 from the above date of mailing

International application No.

PCT/GB2004/000115

International filing date
 (day/month/year)

09/01/2004

Applicant

ACTION INFORMATION TECHNOLOGIES LIMITED

1. This International Searching Authority

- (i) considers that there are 2 (number of) inventions claimed in the international application covered by the claims indicated ~~below~~ on the extra sheet:

and it considers that the international application does not comply with the requirements of unity of invention (Rules 13.1, 13.2 and 13.3) for the reasons indicated ~~below~~ on the extra sheet:

- (ii) ☒ has carried out a partial international search (see Annex) ☐ will establish the international search report on those parts of the international application which relate to the invention first mentioned in claims Nos.:
 see annex

- (iii) will establish the international search report on the other parts of the international application only if, and to the extent to which, additional fees are paid

2. The applicant is hereby invited, within the time limit indicated above, to pay the amount indicated below:

EUR 1.550,00 x 1 = EUR 1.550
 Fee per additional invention number of additional inventions total amount of additional fees

Or, _____ x _____ = _____

The applicant is informed that, according to Rule 40.2(c), the payment of any additional fee may be made under protest, i.e., a reasoned statement to the effect that the international application complies with the requirement of unity of invention or that the amount of the required additional fee is excessive.

3. ☐ Claim(s) Nos. _____ have been found to be unsearchable under Article 17(2)(b) because of defects under Article 17(2)(a) and therefore have not been included with any invention.

Name and mailing address of the International Searching Authority



European Patent Office, P.B. 5818 Patentlaan 2
 NL-2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Katrin Sommermeyer

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11,13-21

directed towards a data input apparatus that comprises
(i) option selection means and direction selection means,
which when used in combination determine a letter of the
alphabet that is to be input into the attached device
(ii) various specific embodiments of the option and
direction selection means, such as manually operable
elements, touch sensitive surfaces, and further keys placed
inbetween a matrix of numeric keys.

2. claim: 12

directed towards a data input apparatus that comprises
(i) option selection means and direction selection means,
which when used in combination determine a letter of the
alphabet that is to be input into the attached device
(iii) a specific layout of the vowels of the alphabet

The so called 'inventions' 1 and 2 have in common the technical feature (i). However, this feature is already known from, or rendered obvious by document D1, which discloses a system that allows selection of an option by choice of a suitable key, and subsequent selection of a direction by tilting that key, thereby unambiguously determining a character to be input into the attached device (D1, column 32, line 47-column 33, line 17). The additional features (ii) and (iii) contained in inventions 1 and 2, respectively, are special technical features representing the contribution over the prior art of D1.

No technical relationship in the sense of Rule 13.2 PCT can be found between these additional technical features contained in each of said inventions. Moreover, the features (ii) and (iii) are directed toward solving different problems, namely: how to provide option and direction selection means; how to ease memorisation of the character layout. Therefore, there is no single unifying inventive concept underlying the entire group of claims of the present application as required by rule 13.1 PCT. Search is carried out for the invention first mentioned in the claims (invention 1).

**Annex to Form PCT/ISA/206
COMMUNICATION RELATING TO THE RESULTS
OF THE PARTIAL INTERNATIONAL SEARCH**

International Application No
PCT/GB2004/000115

1. The present communication is an Annex to the invitation to pay additional fees (Form PCT/ISA/206). It shows the results of the international search established on the parts of the international application which relate to the invention first mentioned in claims Nos.:
- see 'Invitation to pay additional fees'**
2. This communication is not the international search report which will be established according to Article 18 and Rule 43.
3. If the applicant does not pay any additional search fees, the information appearing in this communication will be considered as the result of the international search and will be included as such in the international search report.
4. If the applicant pays additional fees, the international search report will contain both the information appearing in this communication and the results of the international search on other parts of the international application for which such fees will have been paid.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 5 953 541 A (KING ET AL) 14 September 1999 (1999-09-14) column 5, line 34 - column 6, line 40 column 27, line 61 - column 28, line 3 column 28, lines 48-50 column 31, lines 28-36 column 32, line 47 - column 33, line 41 figures 8B-8D	1-7, 9-11, 13-16, 20,21 8
X	US 5 984 548 A (WILLNER ET AL) 16 November 1999 (1999-11-16) abstract; figures 1,2 column 2, lines 20-41 column 3, lines 1-25 column 4, lines 41-54	1,2,5-7, 10,11,16
X	US 3 967 273 A (KNOWLTON ET AL) 29 June 1976 (1976-06-29) abstract; figures 1,2 column 4, lines 25-50 column 4, line 66 - column 5, line 47 column 6, lines 35-52 column 8, lines 44-65 column 9, line 33 - column 10, line 11 ----- -/--	1-7, 9-11,13, 14,16,21

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Annex to Form PCT/ISA/206
COMMUNICATION RELATING TO THE RESULTS
OF THE PARTIAL INTERNATIONAL SEARCH

International Application No
PCT/GB2004/000115

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/44014 A (LEVY, DAVID, H) 27 July 2000 (2000-07-27) abstract figures 1a,1b,2,7a,25A-29 page 12, lines 16-29 page 20, line 22 - page 22, line 12 -----	17-19

Patent Family Annex

Information on patent family members

International Application No

PCT/GB2004/000115

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5953541	A	14-09-1999	AT 225534 T 15-10-2002
		AU 727539 B2 14-12-2000	
		AU 6037998 A 18-08-1998	
		BR 9807002 A 07-08-2001	
		CA 2278549 A1 30-07-1998	
		CN 1248333 A 22-03-2000	
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		JP 2001509290 T 10-07-2001	
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		RU 2206118 C2 10-06-2003	
		WO 9833111 A1 30-07-1998	
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US 5984548	A	16-11-1999	US 5874906 A 23-02-1999
		AT 257607 T 15-01-2004	
		AU 763295 B2 17-07-2003	
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